

IN THE CLAIMS:

Please cancel claim 1 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claim 2 as follows:

LISTING OF CURRENT CLAIMS

Claim 1. (Canceled)

Claim 2. (New) A mix flow fan comprising:

a) a central hub having:

i) an outer rim being a beveled surface;

ii) a flat surface located on a first end of the outer rim; and

5 iii) a hollow space located on a second end of the outer rim, the outer rim slopes outwardly from the flat surface to the hollow surface, the flat surface having a diameter that is smaller than a diameter of the hollow surface;

10 b) a plurality of blades equally spaced around an exterior of the bevel surface, each of the plurality of blades having bent surfaces and a bent end connected to the outer rim and extending from the first end of the outer rim to the second end of the outer rim; and

c) a plurality of cambered channels formed between adjacent blades of the plurality of blades,

15 wherein an area ratio of air inlet to air outlet is between 1.9 and 2.3.